

FIG. 1

2-A: TRANSMITTING APPARATUS A

2-B: TRANSMITTING APPARATUS B

2-C: TRANSMITTING APPARATUS C

2-N: TRANSMITTING APPARATUS N

WIRELESS COMMUNICATION LINE (TRANSMITTAL SIGNALS) (無線通信  
回線 (伝送信号))

3: RECEIVING APPARATUS

RADIO COMMUNICATION SYSTEM 1

FIG. 2

TRANSMITTAL DATA (伝送データ)

200: ENCODING CIRCUIT

FRAME SIGNAL (フレーム信号)

202: MULTIPLEXING CIRCUIT

TRANSMITTING DATA (送信データ)

204: TIMING CIRCUIT

UNIQUE WORD (ユニークワード)

206: UNIQUE WORD GENERATING CIRCUIT

208: MODULATING CIRCUIT

210: TRANSMITTING CIRCUIT

BASE BAND SIGNAL (ベースバンド信号)

TRANSMITTAL SIGNAL (伝送信号)

TRANSMITTING APPARATUS 2

FIG. 3

FRAME (フレーム)

PREAMBLE (UNIQUE WORD) (プリアンブル (ユニークワード))  
TRANSMITTAL DATA (伝送データ)

FIG. 4

TRANSMITTAL SIGNAL (伝送信号)  
300: RECEIVING CIRCUIT  
IF DATA (IFデータ)  
DSP CIRCUIT (DSP回路)  
32: FORMULA SELECTING SECTION  
UNIQUE WORD (FORMULA TYPE DATA) (ユニークワード ((方式種別))  
302: DECODING SECTION  
304: TIMING GENERATING SECTION  
RECEIVED DATA (受信データ)  
TIMING (タイミング)  
306: DATA SEPARATING SECTION  
308: DATA DECODING SECTION  
TRANSMITTAL DATA (伝送データ)  
RECEIVING APPARATUS 3

FIG. 5

UNIQUE WORD STORAGE SECTION 340  
UNIQUE WORDS A THROUGH N  
RECEIVED DATA (受信データ)  
CORRELATION DETECTING SECTION 36  
CORRELATIONS A THROUGH N  
FORMULA DISTINGUISHING SECTION 342  
FORMULA TYPE (方式種別)

THRESHOLDS A THROUGH N  
PROCESSING CONTROL SECTION 346  
THRESHOLD STORAGE SECTION 344  
FORMULA DISTINGUISHING PROGRAM 34

FIG. 6

(A) FRAME

THRESHOLD A

(B) CORRELATION A

THRESHOLD B

(C) CORRELATION B

THRESHOLD N

(D) CORRELATION N

(E) FORMULA TYPE (UNIQUE WORD)

FIG. 7

UNIQUE WORD STORAGE SECTION 340

UNIQUE WORDS A THROUGH N

RECEIVED DATA (受信データ)

CORRELATION DETECTING SECTION 36

CORRELATIONS A THROUGH N

FORMULA DISTINGUISHING SECTION 342

FORMULA TYPE (方式種別)

THRESHOLDS A' THROUGH N'

PROCESSING CONTROL SECTION 346

THRESHOLD ALTERING SECTION 380

THRESHOLDS A THROUGH N

THRESHOLD STORAGE SECTION 344  
FORMULA DISTINGUISHING PROGRAM 38

FIG. 8

(A) FRAME  
THRESHOLD A  
THRESHOLD A'  
(B) CORRELATION A  
THRESHOLD B  
THRESHOLD B'  
(C) CORRELATION B  
THRESHOLD N  
THRESHOLD N'  
(D) CORRELATION N  
(E) FORMULA TYPE (UNIQUE WORD)

FIG. 9

START (開始)  
S100 READ INITIAL THRESHOLD  
S102 INPUT IF DATA  
S104 IF DATA NORMAL  
S106 DETECT CORRELATION  
S108 DISTINGUISH FORMULA (UNIQUE WORD)  
S110 SUCCEEDED IN DISTINGUISHING?  
S112 OUTPUT FORMULA TYPE  
S114 ALTER THRESHOLD (EXPAND RANGE) OF DETERMINED FORMULA  
S116 ALTER THRESHOLDS (NARROW RANGE) OF OTHERS THAN DETERMINED

FORMULA

S118 START EXCEPTION PROCESSING?

S120 PERFORM EXCEPTION PROCESSING

FIG. 10

(A) FRAME

UPPER LIMIT (上限値)

(B) CORRELATION A

THRESHOLD A, LOWER LIMIT (閾値 A、下限値)

THRESHOLD B, UPPER LIMIT (閾値 B、上限値)

THRESHOLD B'

(C) CORRELATION B

LOWER LIMIT (下限値)

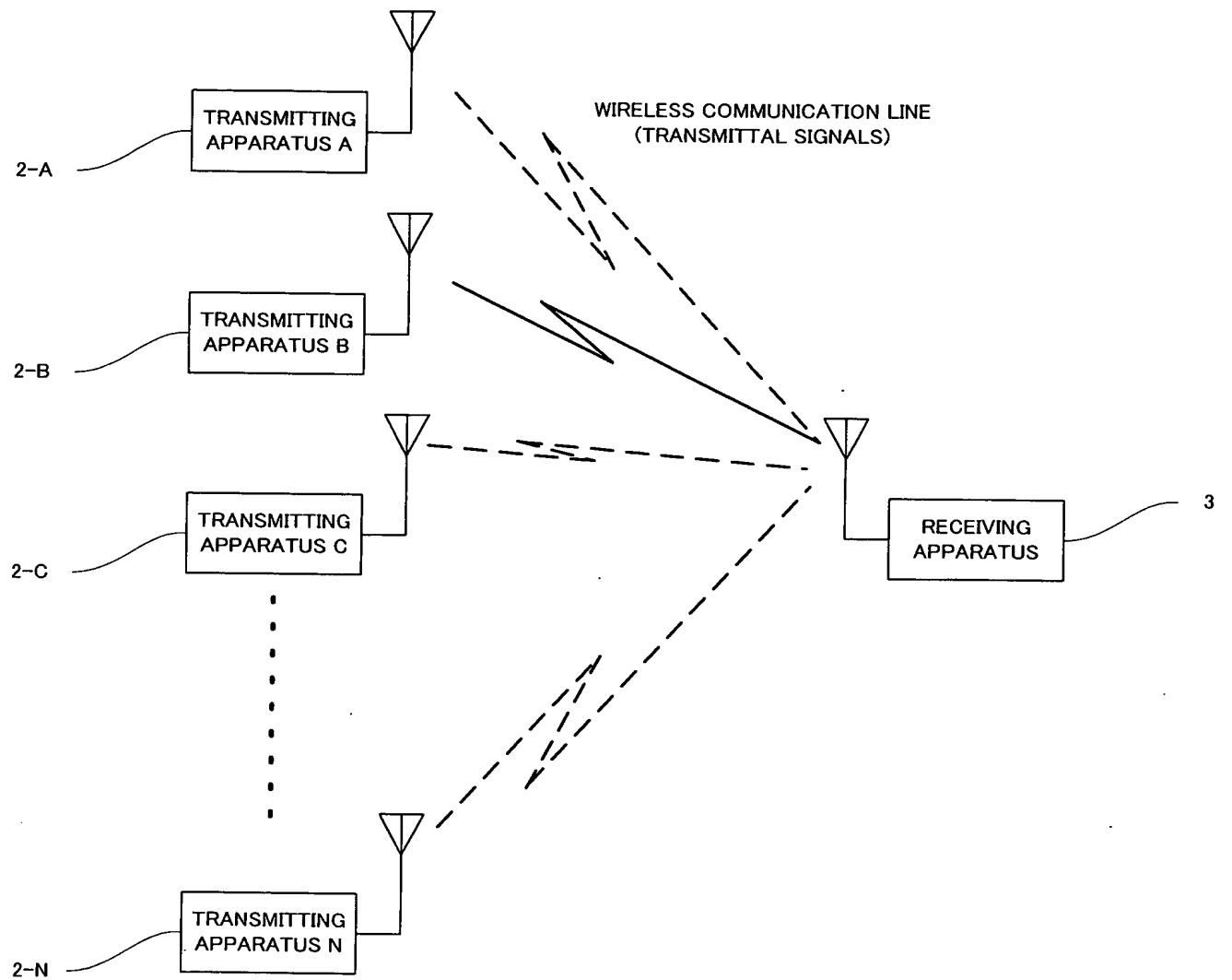
THRESHOLD N, LOWER LIMIT (閾値 N、下限値)

THRESHOLD N' (閾値 N')

LOWER LIMIT (下限値)

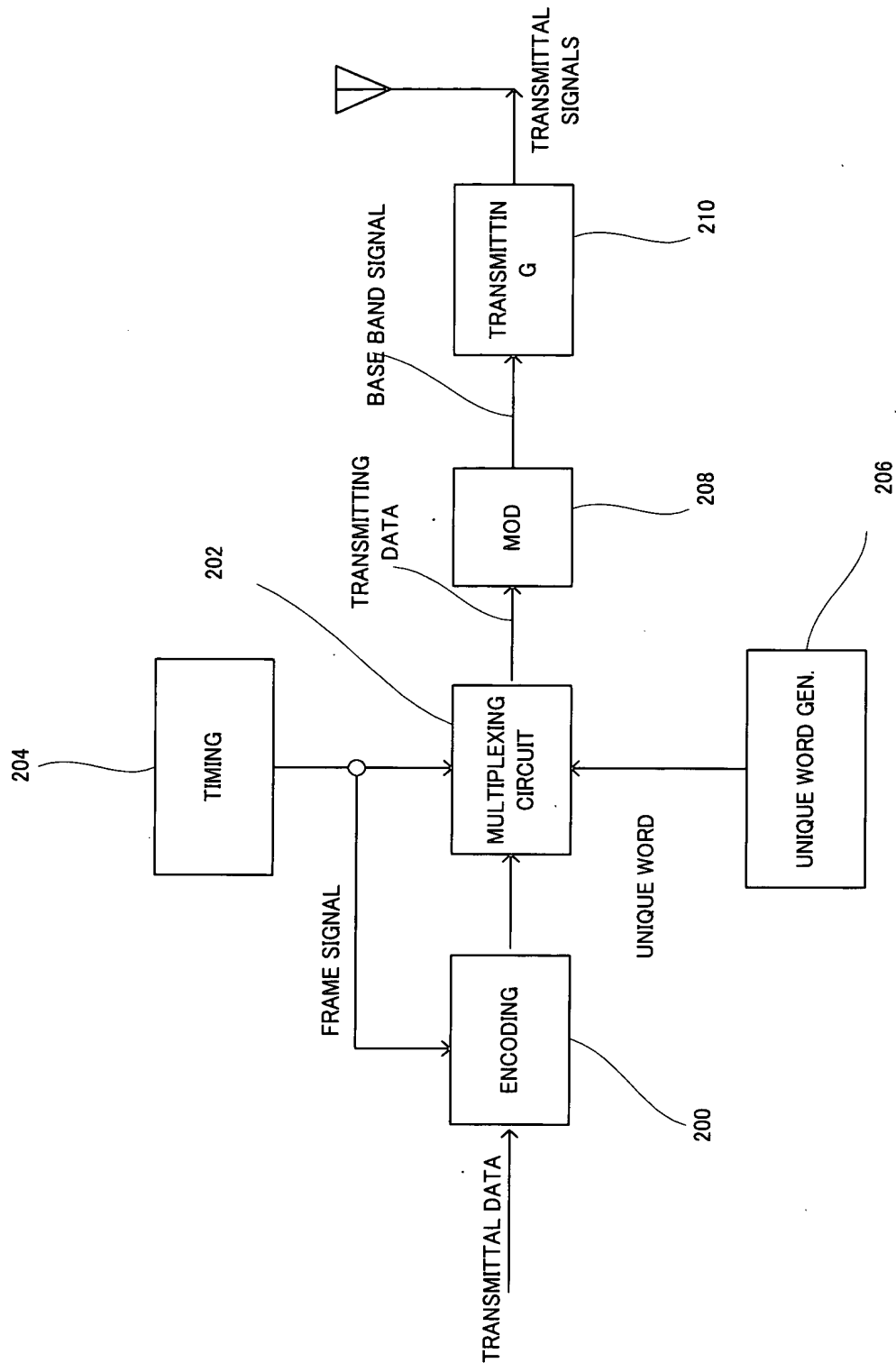
(D) CORRELATION N

(E) FORMULA TYPE (UNIQUE WORD)



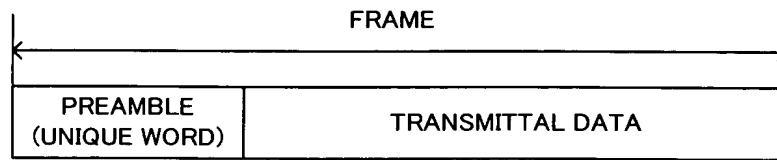
RADIO COMMUNICATION SYSTEM 1

Fig. 1



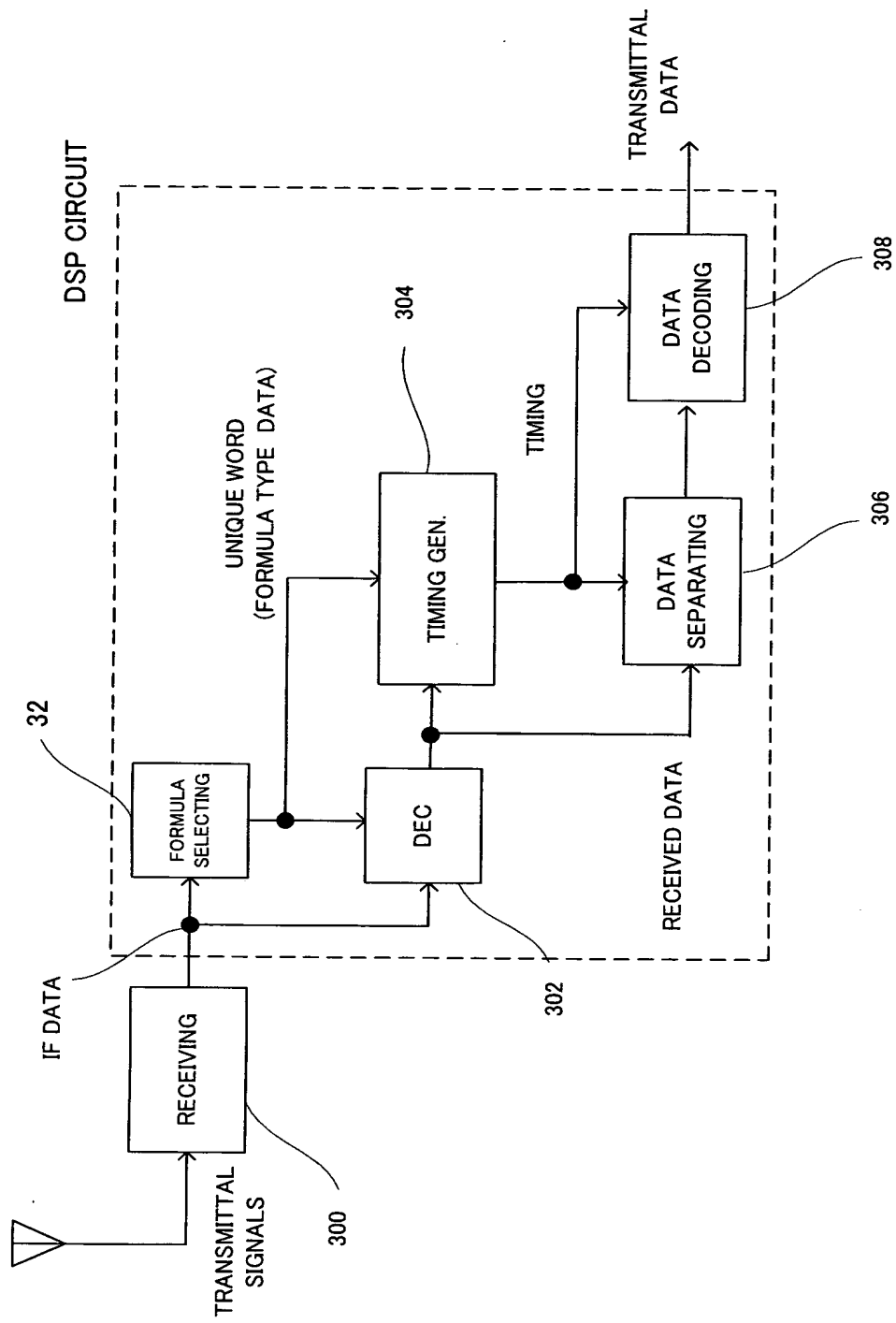
TRANSMITTING APPARATUS 2

FIG. 2



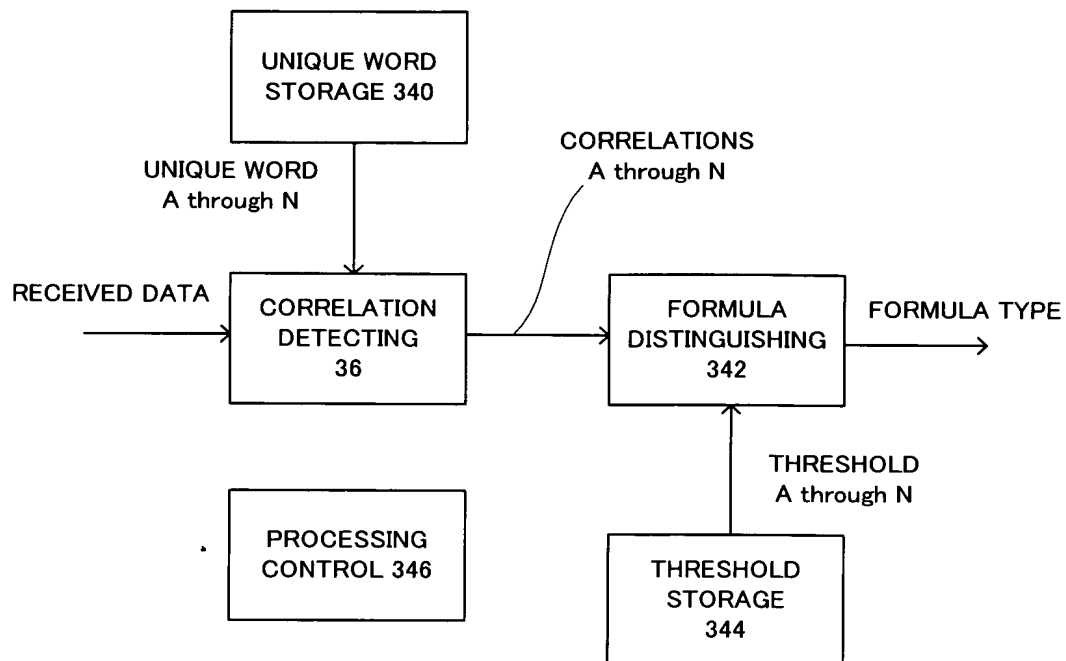
**FIG. 3**





RECEIVING APPARATUS 300

FIG. 4



FORMULA DISTINGUISHING PROGRAM 34

FIG. 5

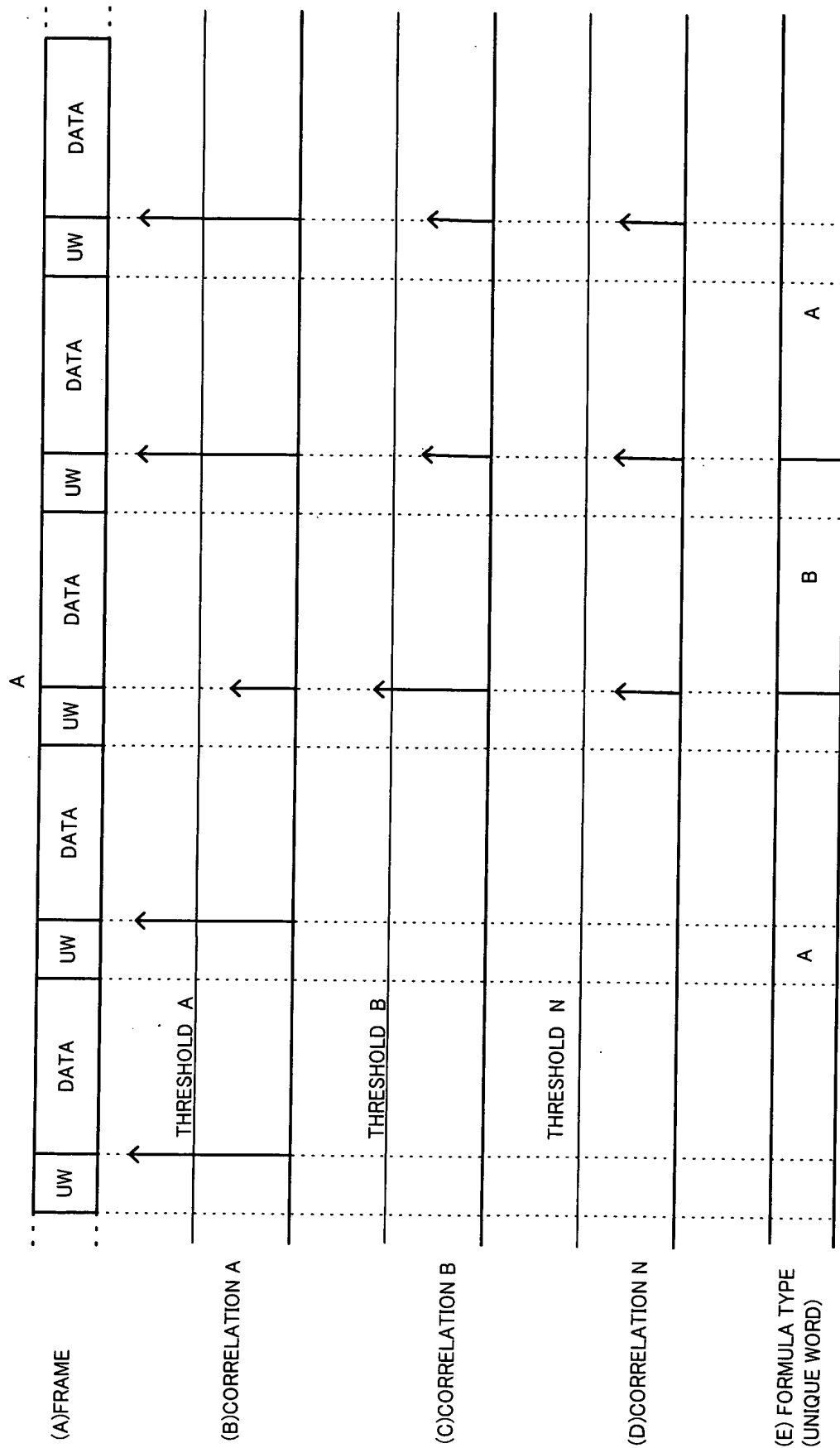
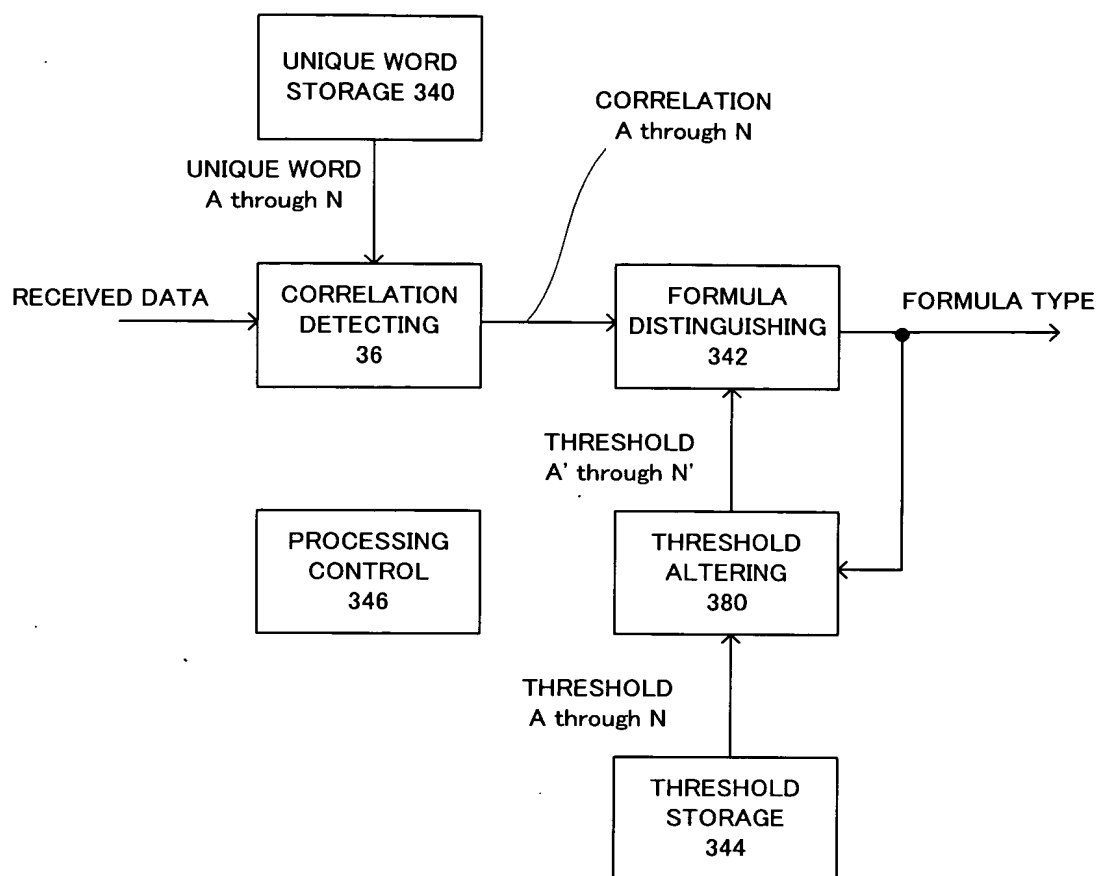


FIG. 6



FORMULA DISTINGUISHING PROGRAM 38

**FIG. 7**

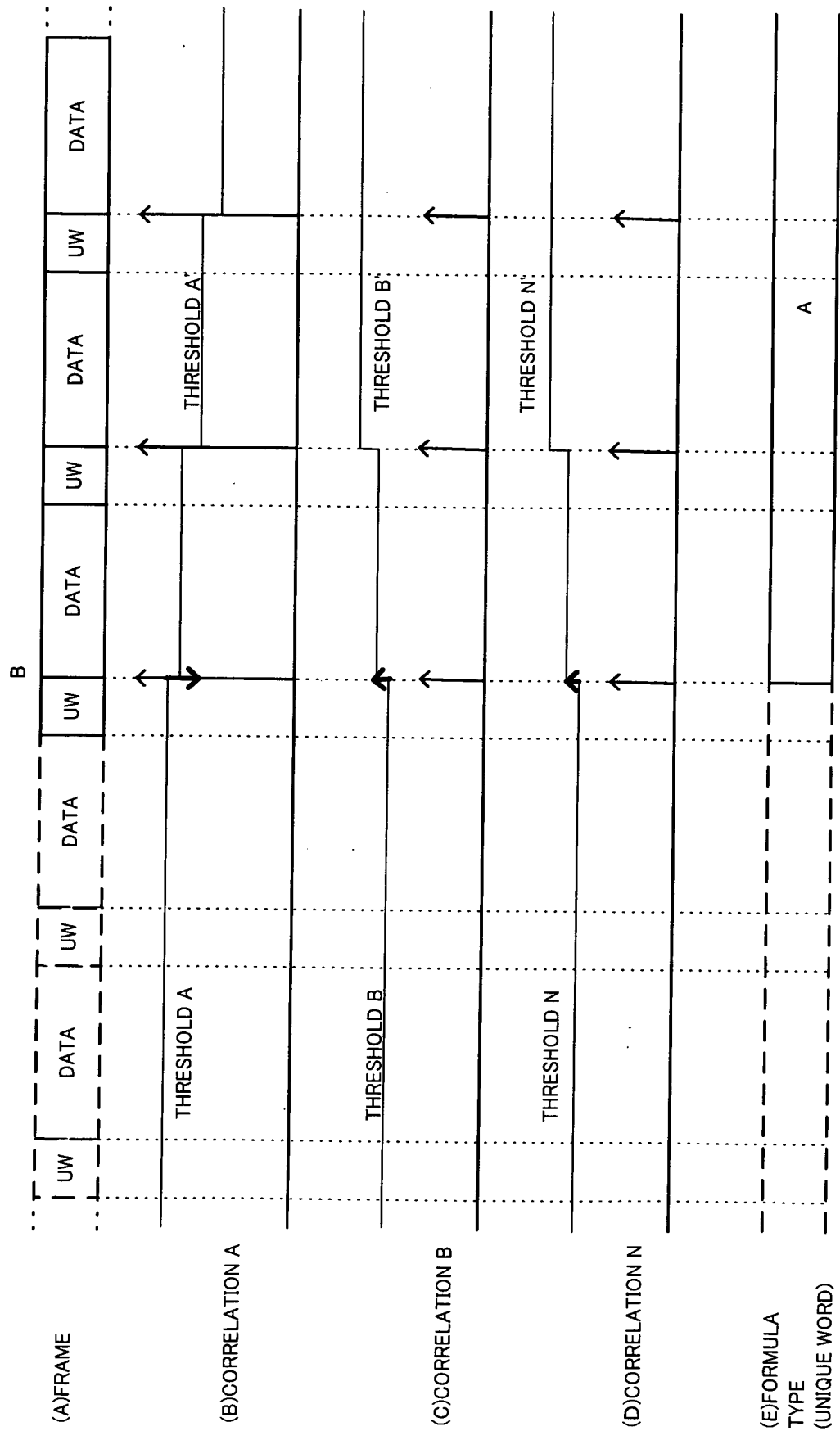
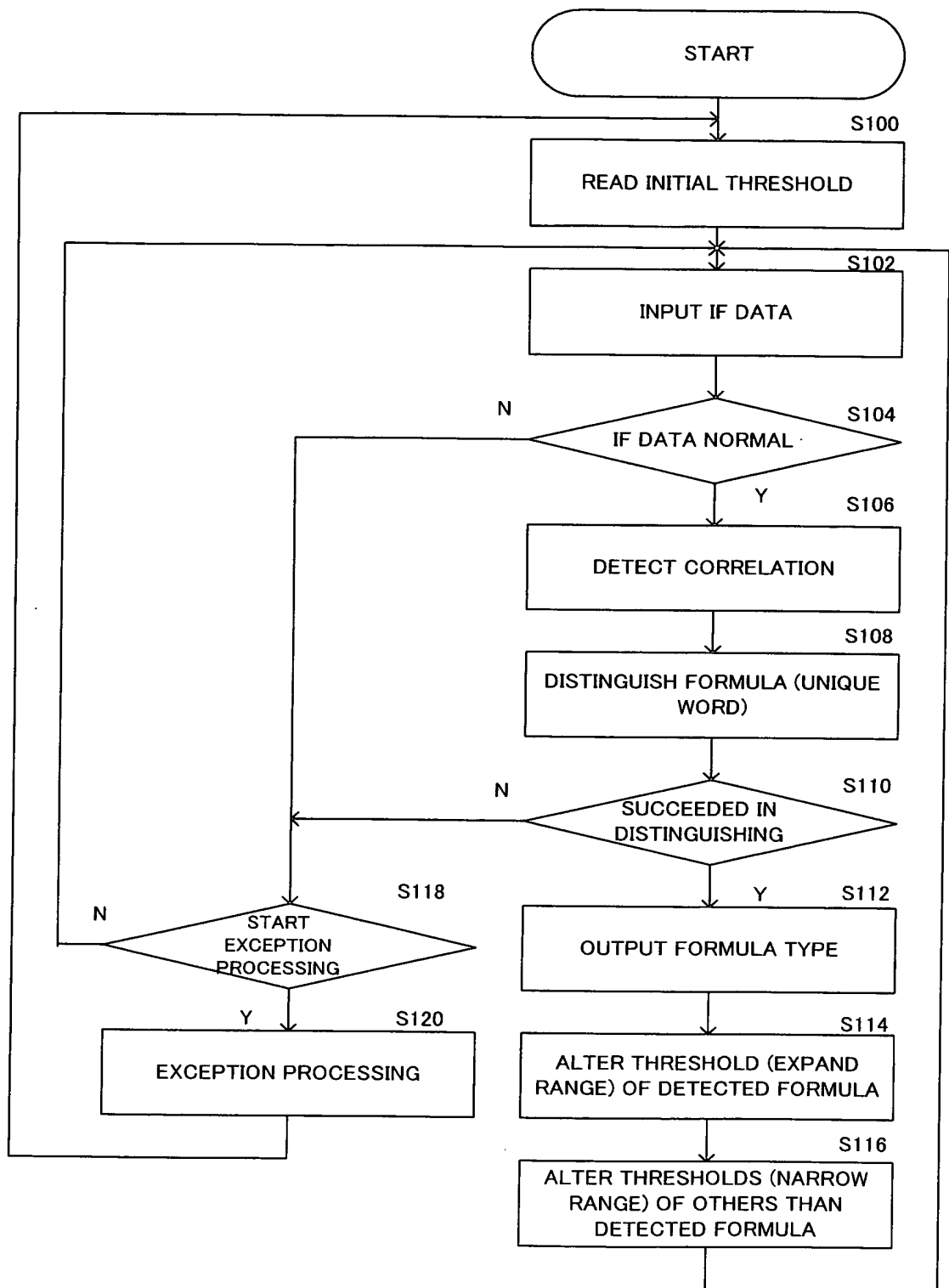


FIG. 8



S10

FIG. 9

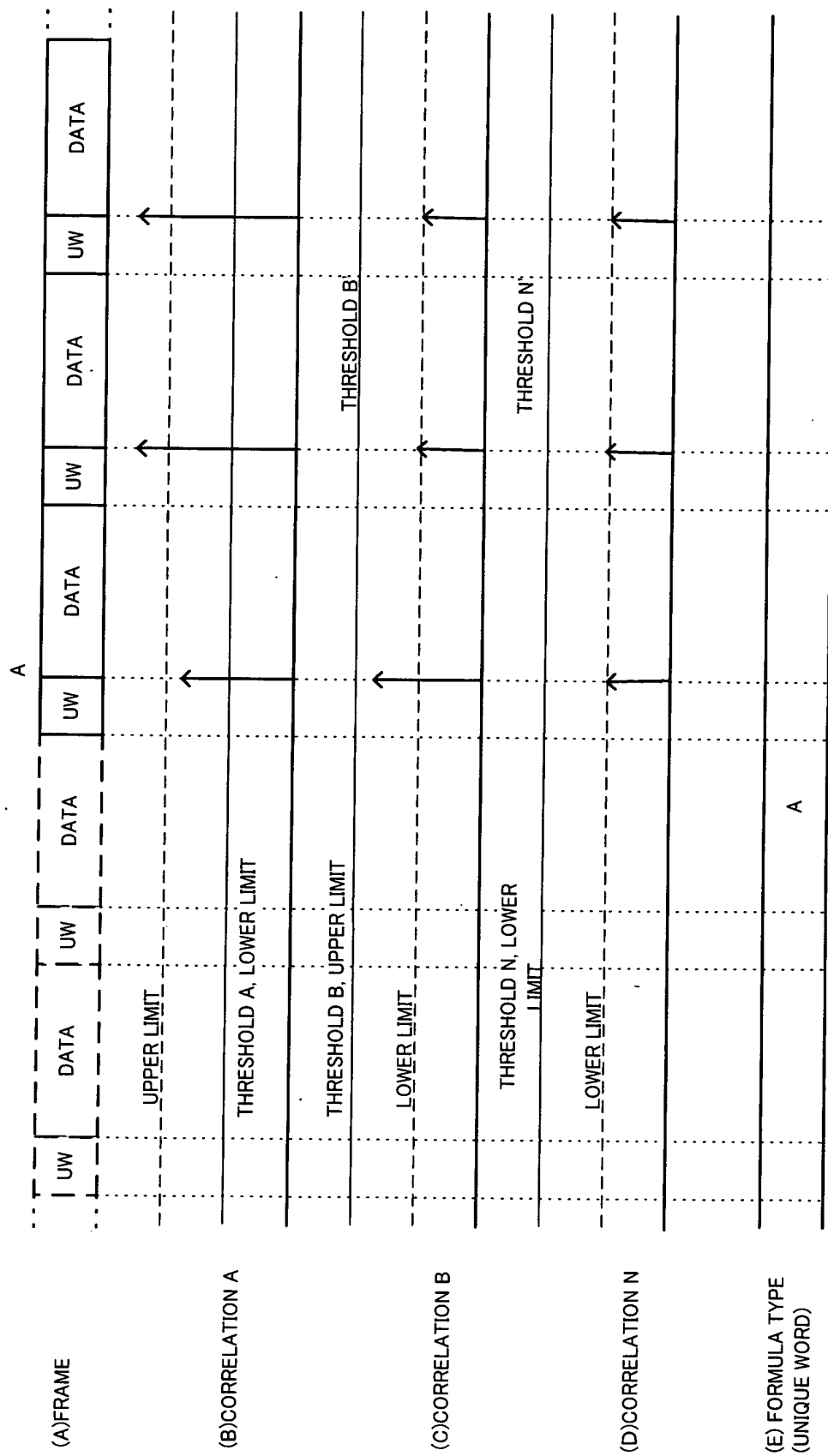


FIG. 10